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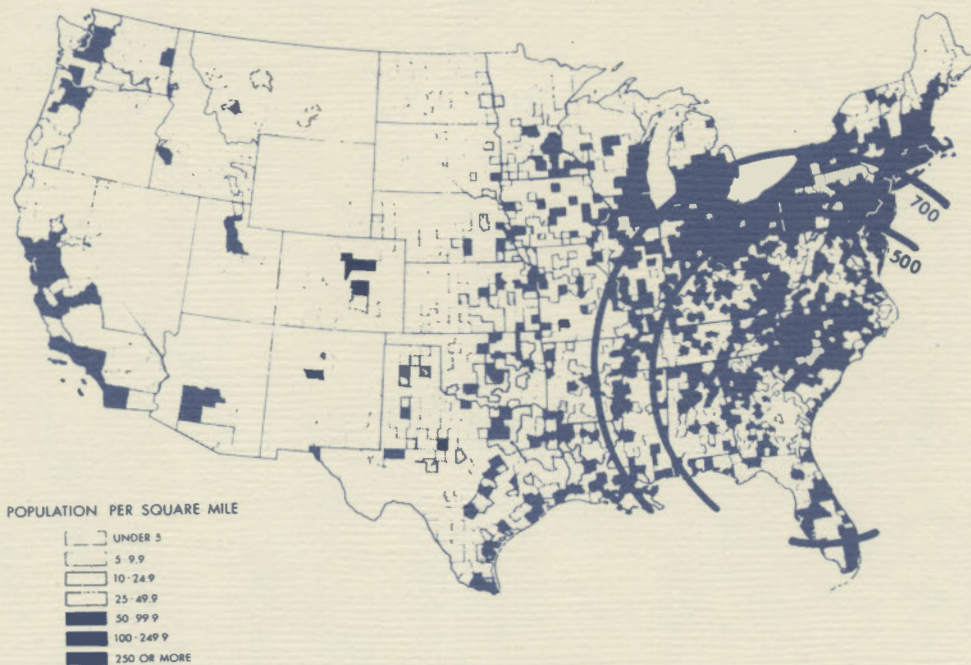
South Carolina Industrial Data Risher Site



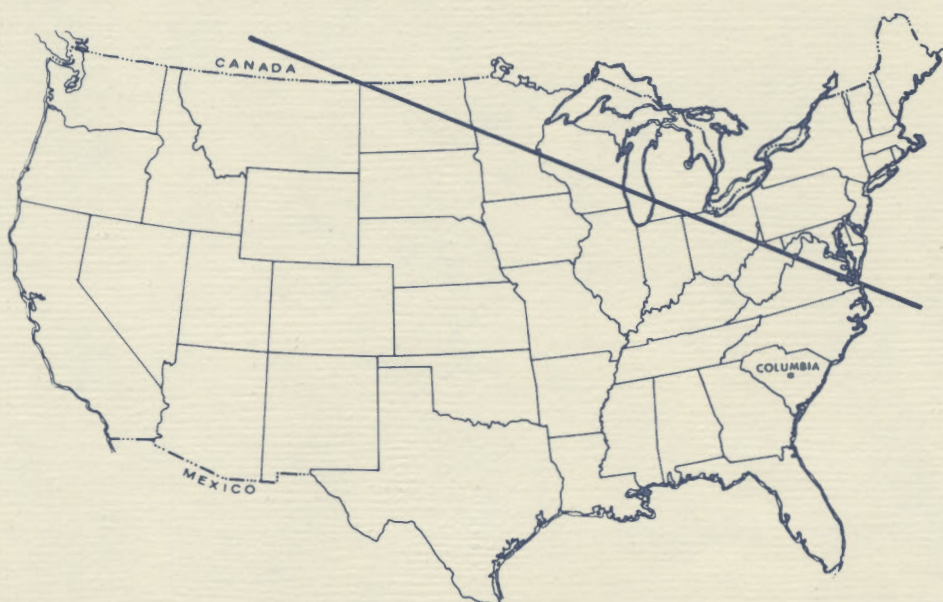
*State Development Board
Box 927
Columbia*

South Carolina can serve the Nation

From Cover: Columbia, is due South of Cleveland, Ohio, and due East of Los Angeles

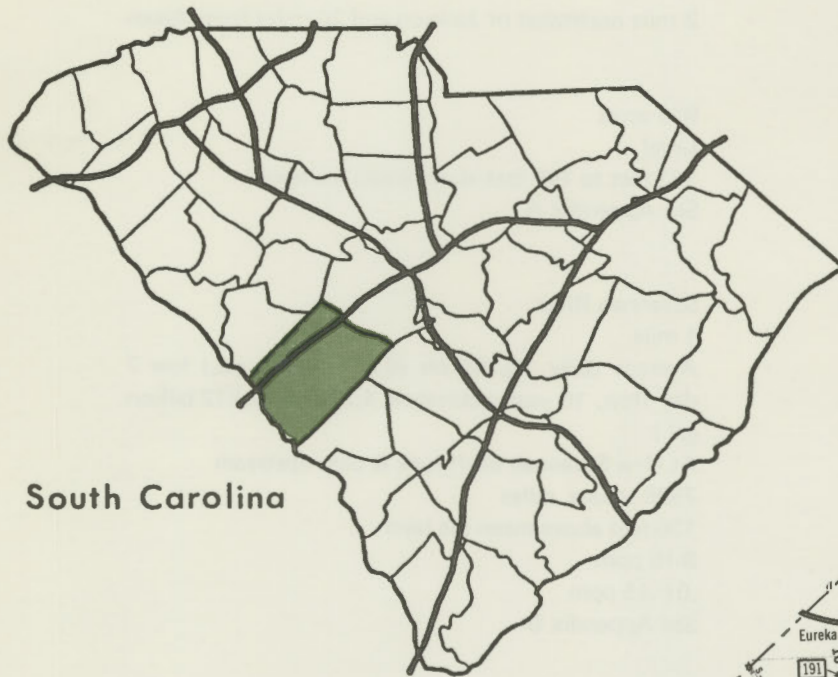


Columbia is within 500 miles of 53 million (27%) and 700 miles of 125 million (62%) of the nation's population.

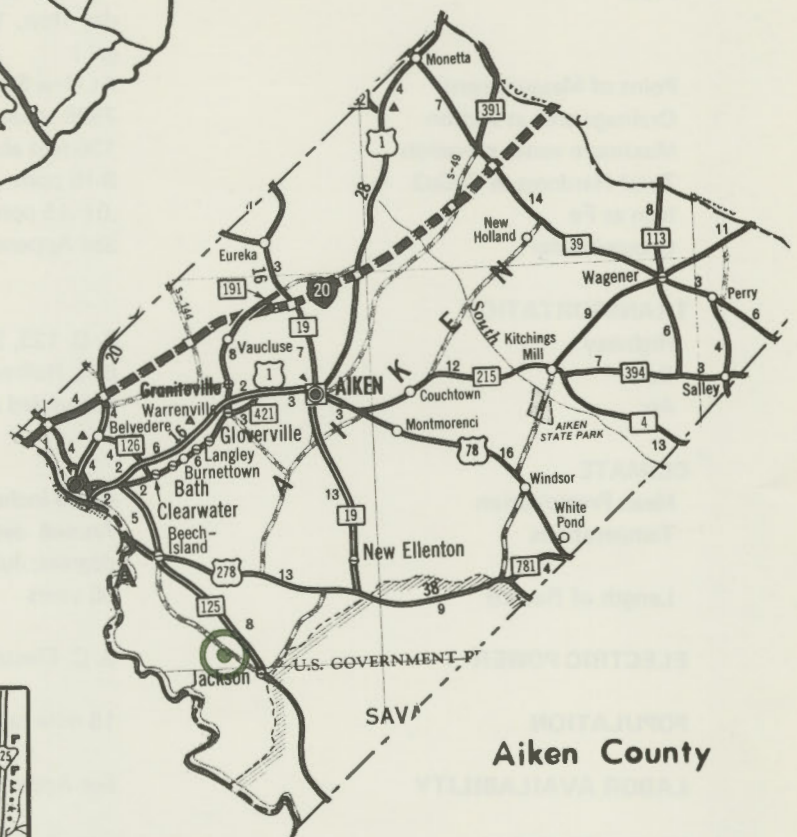


Columbia is closer to 87% of the United States than New York City. This area represents 64% of the nation's population.

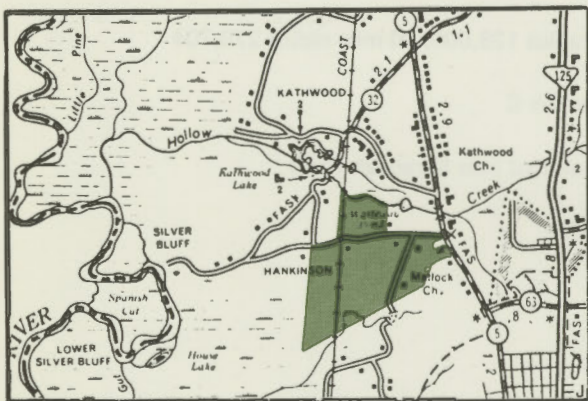
Risher Site



South Carolina



Aiken County



Prepared by
 STATE DEVELOPMENT BOARD
 in Cooperation with
 COASTAL PLAINS REGIONAL COMMISSION

S. C. STATE LIBRARY

**BASIC INDUSTRIAL SITE DATA
RISHER SITE**

LOCATIONS OF SITE

2 mile northwest of Jackson and 20 miles from Aiken

SITE DESCRIPTION

Acreage 970 acres
Topography Level
Elevation 183 feet to 145 feet above mean sea level.
Soil Bearing See Appendix A

WATER SUPPLY

Source Savannah River
Distance from site 1 mile
Flow Average daily 10,200 cfs (6,819 billion gal.) low 7 day flow, 10 year recurrence, 4,210 cfs (2,812 billion gal.)
Point of Measurement At New Savannah Bluff lock & dam upstream
Drainage area at station 7508 square miles
Maximum water elevation 136 feet above mean sea level
Total Hardness as CaCo3 8-16 ppm
Iron as Fe .01-.15 ppm
Ground water See Appendix B

TRANSPORTATION

Highway S. C. 123, 23 miles to I-20
Rail SCL Railroad on site
Air Scheduled airlines from Augusta, 15 mile distance

CLIMATE

Mean Precipitation 46.09 inches
Temperatures Annual average 64.4 degrees; January average 53.4 degrees; July average 75.4 degrees
Length of Record 36 years

ELECTRIC POWER

S. C. Electric & Gas Co.

POPULATION

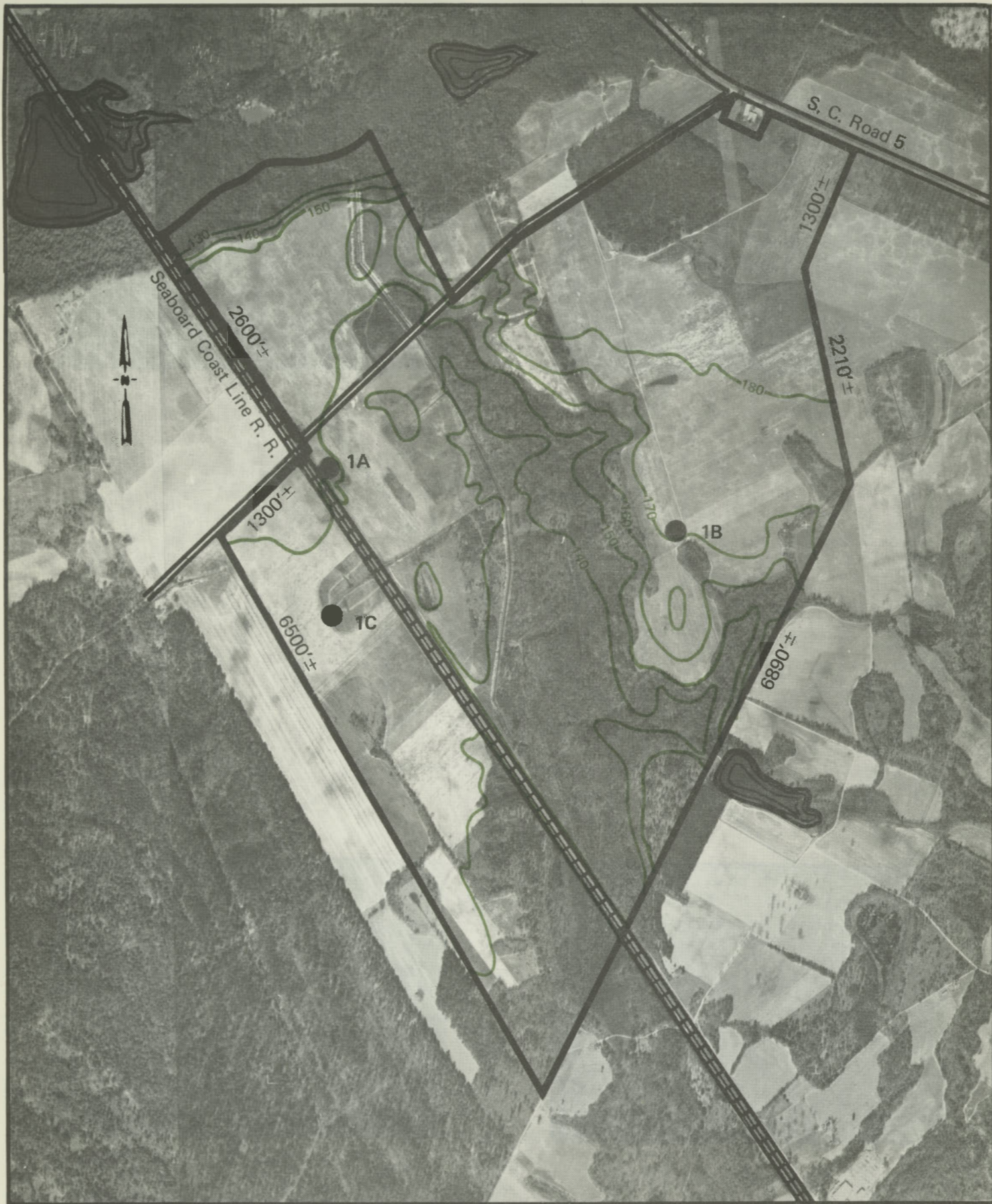
15 mile radius 128,000; 30 mile radius 279,704

LABOR AVAILABILITY

See Appendix C

WASTE DISPOSAL

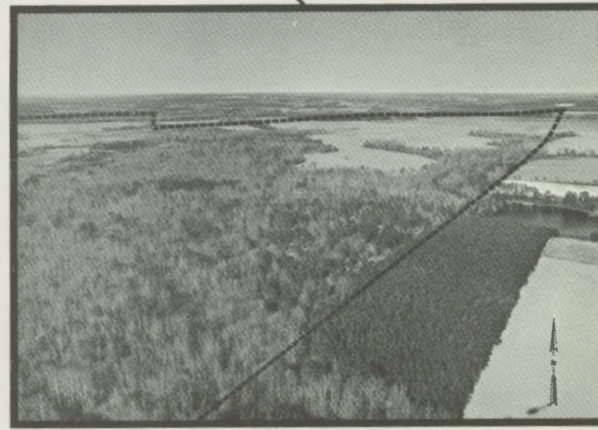
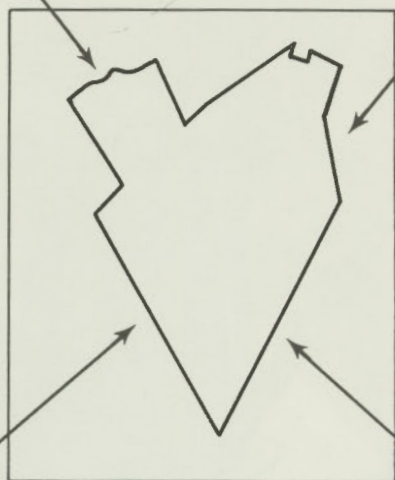
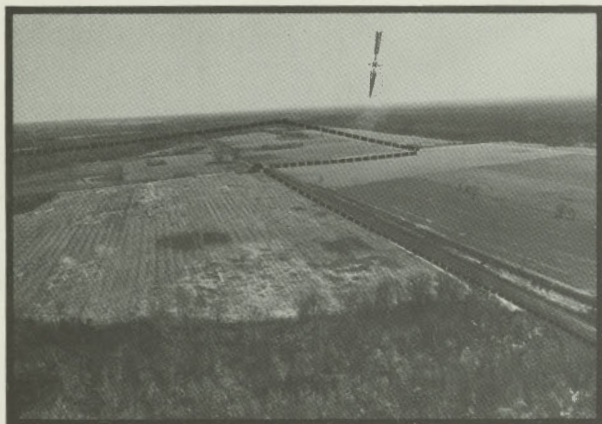
After treatment into Savannah River



0 1300
Scale in Feet

Risher Site

—150— Contours
● Drill Holes



NOTE: Boundaries on photographs are approximate.

AIKEN CITY DATA

LOCATION

Aiken, seat of Aiken County, is located in the southwestern section of the state on U. S. 1, U. S. 78 and S. C. 19, 215 and 421. The community is seven miles from Interstate 20. New York is 751 miles from the community, Chicago is 800 miles and Atlanta is 179 miles.

CLIMATE

The climate in the area is temperate.

Mean annual temperature	64.4°
Mean maximum temperature	75.4°
Mean minimum temperature	53.4°
12-month average relative humidity	
Daily range:	
1:00 a.m.	84%
7:00 a.m.	87%
1:00 p.m.	51%
7:00 p.m.	67%
Mean annual precipitation	46.09 inches
Average length of growing season	233 days
Elevation	527 feet

POPULATION

Aiken County has a population of 91,023 residents, with 13,846 persons living in Aiken. Over 78,935 persons live within a 15-mile radius of the community, and more than 303,695 live within a 30-mile radius.

LABOR

The State Development Board will provide labor information.

GOVERNMENT

The community has a council-manager form of municipal government. The mayor is elected for a term of four years, and the six councilmen serve four-year staggered terms of office. Council appoints the city manager. The county is governed locally by a three-member county commission, a county supervisor and the legislative delegation. The county commissioners are elected by district, and the county supervisor is elected at large. All serve four-year terms.

FINANCIAL

Financial services are provided in the community by three banks and two savings and loan associations. South Carolina National Bank, Bankers Trust of South Carolina and Farmers and Merchants Bank have combined assets of \$909,119,172. Palmetto Federal Savings and Loan Association and Security Federal Savings and Loan Association have combined assets of \$48,540,642.75.

TRANSPORTATION

Rail freight service is available in the city on the Southern Railway System. Rail passenger service is provided in Columbia, 53 miles away, by Seaboard Coast Line Railroad. Interstate motor freight service is available from 25 authorized carriers, 11 of which have terminals within 20 miles of the city.

Freight delivery times:

To:	By Rail	By Truck
Atlanta	4 days	1 day
Boston	9 days	2 days
Chicago	7 days	2 days
Houston	6 days	3 days
New York	8 days	2 days
St. Louis	6 days	2 days
San Francisco	11 days	7 days

The Columbia Metropolitan Airport, 45 miles from the community, offers regular scheduled commercial airline service on Delta, Eastern, Piedmont and Southern Airways. Private aircraft utilize the Aiken Municipal Airport, seven miles away, which has paved and lighted runways of 5,000 feet and 3,800 feet. Services available at the airport are charter, flight instruction, aircraft repairs, Unicom, 80/87 and 100/130 octane fuel, jet fuel, hangars and tiedowns.

FUELS

Natural gas is supplied in the city by the South Carolina Electric and Gas Company. S. C. E. & G. will extend natural gas into an area where consumption warrants investment. Delivery pressures are normally between 5 and 10 psi, depending upon the customer's requirements. Rates for large industrial users are subject to negotiation. The average BTU of gas supplied is 1,050 per cubic foot, and the specific gravity is between .588 and .599. Seven bulk stations in the community provide No. 1 and No. 2 fuel oil, with other grades available from Charleston, 100 miles away. The nearest purchase sites are Charleston and North Augusta, 20 miles away. Freight cost for No. 2 fuel from North Augusta to the community is .615 cents per gallon, with fuel cost negotiable for transport truck purchases.

POWER

Electric power is supplied by the South Carolina Electric and Gas Company.

TAXES

The assessment on industrial property in South Carolina is 9.5 percent of the gross plant account. New industry is granted a five-year moratorium on general county taxes, with the exception of school taxes. The county tax rate is uniform countywide and is presently \$9.80 per \$100 of assessed value. The municipal tax rate is \$10.20 per \$100 of assessed value. The state has no tax on a manufacturer's inventories, goods-in-process, raw materials or finished goods. Treatment facilities or equipment of manufacturing plants which control water or air pollution are exempt from all property taxation.

COMMUNICATIONS

The daily Aiken Standard is published in the city, and three other dailies circulate in the area. WLOW-AM-FM and WAKN-AM-FM have broadcast facilities in the community. Television reception in the community is available from three stations, representing the three major networks. Cable television service is also available in the city. Telephone service in the community is provided by Southern Bell Telephone and Telegraph Company.

WATER AND SEWAGE

The community obtains its municipal water supply from surface water, one deep well and underground springs. The system is capable of supplying water at a maximum rate of 8,000,000 gallons per day, with a peak daily demand of 5,250,000 gallons. Treated water storage consists of one 1,000,000-gallon elevated tank, one 50,000-gallon elevated tank, one 600,000-gallon standpipe, one 200,000-gallon standpipe and a 500,000-gallon clear well at the filter plant.

Analysis of water supplied in the community:

Total solids	44.00 ppm
Alkalinity	24.00 ppm
Hardness	22.00 ppm
Iron	0.01 ppm
Chloride	2.00 ppm
pH	7.2

Bi-monthly water rates within the corporate limits for all customers:

First 5,000 cu. ft.	.40 per 100 cu. ft.
Next 15,000 cu. ft.	.35 per 100 cu. ft.
Next 10,000 cu. ft.	.25 per 100 cu. ft.
Next 10,000 cu. ft.	.22 per 100 cu. ft.
Next 10,000 cu. ft.	.20 per 100 cu. ft.
Next 10,000 cu. ft.	.18 per 100 cu. ft.
Next 10,000 cu. ft.	.15 per 100 cu. ft.
Over 70,000 cu. ft.	.12 per 100 cu. ft.

Water rates outside the corporate limits are 75 percent above the in-city rates.

Industrial water rates are negotiable.

The minimum charge for a bi-monthly period is \$4.00.

Aiken utilizes a trickling-filter, digester-clarifier sewage treatment plant to dispose of wastewater. The treatment plant has a design rated capacity of 1,000,000 gallons. The plant cannot handle additional effluent at present. Plans are underway to expand the plant to a rated capacity of 3,000,000 gallons, with a peak flow capacity of 7,000,000 gallons.

Sewer charges are \$1.00 per month or 25 percent of water billed, with aggregate amount not to exceed \$2.00 per month on residential use, \$12.50 per month on business or public institutional use.

POLICE AND FIRE

The community's police department employs 25 full-time police officers, and operates nine radio-equipped police cars. The police department has a three-man detective division, with one man serving as a juvenile officer. The community's fire department has 22 full-time and 14 part-time firemen. The fire department maintains eight pumper trucks; one equipped with a 75-foot aerial ladder. The department utilizes a telephone-siren alarm system, and the community has a Class Five insurance rating.

EDUCATION

Aiken County has 43 public schools with 13,201 elementary school students and 11,208 high school students. The county has 519 elementary school teachers and 510 high school teachers. The average expenditure per pupil for the 1969-70 school year in the county's public schools was \$498.83. Private schooling is available at Mead Hall (K-6), Aiken Day School (K-9), Aiken Prep School (4-9), St. Angela Academy (9-12), and St. Mary's School (1-8). Higher education facilities for the area are provided by the Aiken Regional Campus of

INDUSTRY

The average monthly manufacturing employment in Aiken County exceeds 16,935. The total manufacturing payroll in the county exceeds \$122.6 million a year. Listed below are some of the industries in the county and the type of products manufactured.

COMPANY	PRODUCT	NO. EMPLOYEES
Aiken Industries, Inc.	Women's suits and dresses	120
DuPont Company	Materials for nuclear power	6,250
Owens-Corning Fiberglas	Glass fiber	1,800
Pyle-National Company	Outdoor lighting, electric conduit fittings and air diffusion equipment	170
Kimberly-Clark Corporation	Tissue products	650

the University of South Carolina, located in the city. Augusta College, Paine College, and the Medical College of Georgia are in Augusta, 17 miles away.

MEDICAL SERVICES

Medical services in the community are provided by the 131-bed Aiken County Hospital. Specialized medical treatment facilities are located in Augusta, Georgia, 17 miles from Aiken. The community has 15 privately-practicing medical doctors and 10 privately-practicing dentists.

HOTELS AND MOTELS

The community has a 50-room hotel and two motels with a total of 100 overnight accommodations. Meeting and banquet facilities are available in the city.

RECREATION

Recreation facilities in the community consist of 125 acres of recreational areas maintained by the city. These areas include eight tennis courts, three outdoor basketball courts, two pools, two recreation centers, three creative arts buildings, seven lighted regulation baseball and softball fields, and several mini-parks equipped for children's recreation. Organized recreation is supervised by a full-time recreation staff. Eight golf courses, including two 18-hole championship courses, are within 15 miles of Aiken. The Masters Golf Tournament is held in nearby Augusta. Polo is a regular sport in Aiken, and Clark Hill Reservoir provides boating, fishing and camping facilities.

CHURCHES

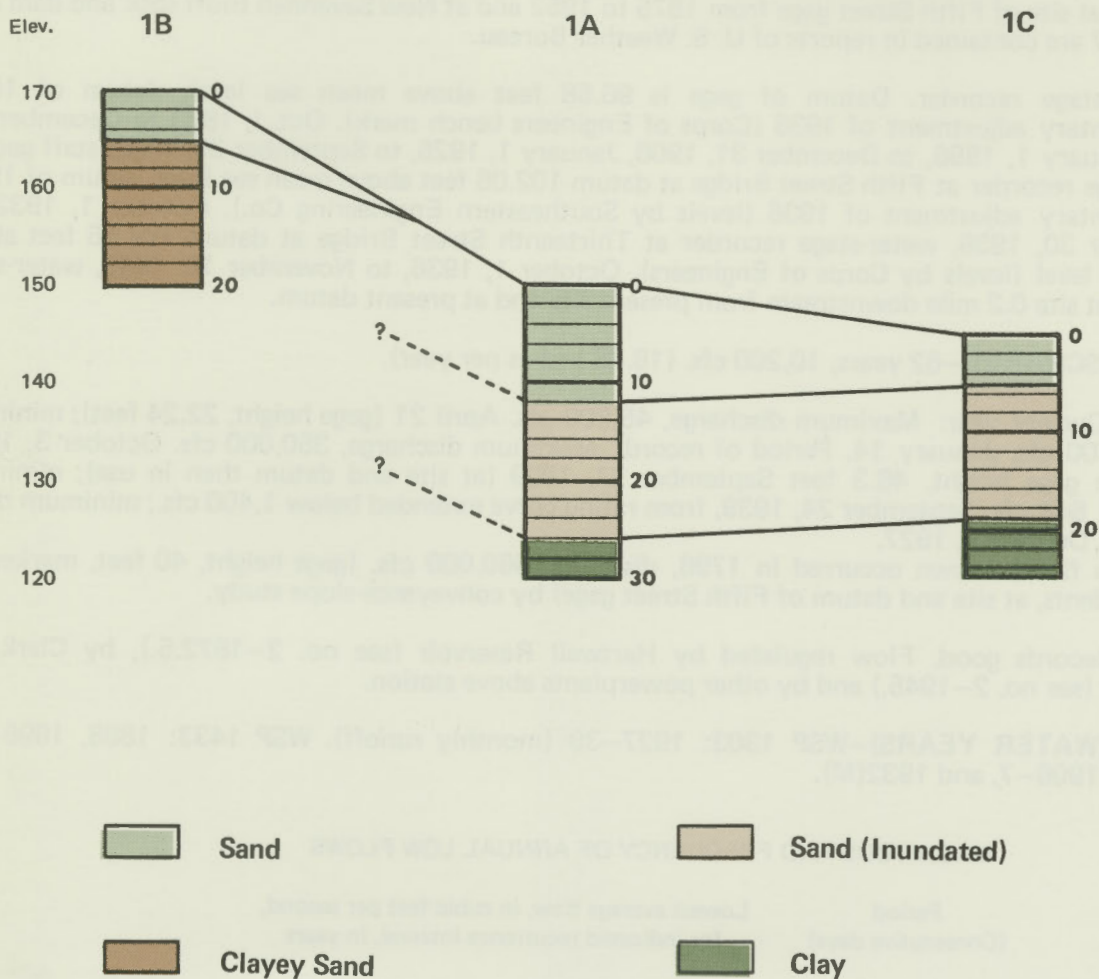
Aiken has 40 Protestant churches. Three Catholic churches and a Jewish house of worship are located in the community.

SITE DATA

Numerous industrial sites are available in the Aiken area. The 439-acre Aiken Industrial Park is located seven miles north of the city on U. S. 1 and Southern Railway. The park is served by municipal water, natural gas and power. The park consists of gently rolling terrain which is well-drained. Interstate 20 is adjacent to the park. Two sites are located one mile east of Aiken on U. S. 78. One site consists of 150 acres and the other has 37 acres. Rail service could be extended to both sites as well as natural gas. Both have water and sewer. Two sites are located 16 miles from Aiken in the Beech Island area. All utilities except sewer are available to the sites, and both have rail services and access to S. C. 125. Other sites ranging from 25 acres to several hundred acres are available in the area. Detailed site information will be provided upon request.

GEOLOGIC CONDITIONS

Risher Site



With the exception of the swampy area, the foundation conditions on the high ground (between the 150 and 180 foot contour lines) are good. After removal of the organic topsoil the underlying dry sand unit should have a bearing capacity of approximately 4,000 pounds per square foot (psf). The water table will lie between 140 and 150 feet above mean sea level. The low ground below 150 feet exhibits poorer foundation conditions. A bearing value of 2,000 psf should be used here. Excavations are not recommended in the area below 150 ft. mean sea level.

NOTE: The above drill logs were obtained by auger boring and are indicative of the material present at the particular spot where the borings were made. The soil bearing capacity ranges are based upon general lithology and are relative, not absolute, and were not obtained by actual soil testing methods. Further tests, such as close-spaced drilling, are necessary before the site should be utilized.

SAVANNAH RIVER BASIN

Appendix B

2-1970. Savannah River at Augusta, Ga.

LOCATION—Lat. 33 degrees 22'25", long. 81 degrees 56'35", Richmond County, at New Savannah Bluff lock and dam, 0.2 mile upstream from Butler Creek, 12 miles downstream from Augusta, and at mile 203.

DRAINAGE AREA—7,508 square miles, including that of Butler Creek.

PERIOD OF RECORD—October 1883 to December 1891, January 1896 to December 1906, January 1925 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected at site of Fifth Street gage from 1875 to 1952 and at New Savannah Bluff lock and dam sites since 1937 are contained in reports of U. S. Weather Bureau.

GAGE—Water-stage recorder. Datum of gage is 96.58 feet above mean sea level, datum of 1929, supplementary adjustment of 1936 (Corps of Engineers bench mark). Oct. 1, 1883 to December 31, 1891, January 1, 1896, to December 31, 1906, January 1, 1925, to September 30, 1932, staff gage or water-stage recorder at Fifth Street Bridge at datum 102.06 feet above mean sea level, datum of 1929, supplementary adjustment of 1936 (levels by Southeastern Engineering Co.). October 1, 1932, to September 30, 1936, water-stage recorder at Thirteenth Street Bridge at datum 104.56 feet above mean sea level (levels by Corps of Engineers). October 1, 1936, to November 10, 1948, water-stage recorder at site 0.2 mile downstream from present site and at present datum.

AVERAGE DISCHARGE—62 years, 10,200 cfs. (18.45 inches per year).

EXTREMES—Current year: Maximum discharge, 45,600 cfs. April 21 (gage height, 22.24 feet); minimum daily, 5,800 cfs. January 14. Period of record: Maximum discharge, 350,000 cfs. October 3, 1929; maximum gage height, 46.3 feet September 27, 1929 (at site and datum then in use); minimum discharge, 648 cfs. September 24, 1939, from rating curve extended below 1,400 cfs.; minimum daily, 1,040 cfs. October 2, 1927. Maximum flood known occurred in 1796, discharge 360,000 cfs. (gage height, 40 feet, marked by local residents, at site and datum of Fifth Street gage) by conveyance-slope study.

REMARKS—Records good. Flow regulated by Hartwell Reservoir (see no. 2-1872.5.), by Clark Hill Reservoir (see no. 2-1945.) and by other powerplants above station.

REVISIONS (WATER YEARS)—WSP 1303: 1927-39 (monthly runoff). WSP 1433: 1888, 1896-99, 1902-3, 1906-7, and 1932(M).

MAGNITUDE AND FREQUENCY OF ANNUAL LOW FLOWS

Period (Consecutive days)	Lowest average flow, in cubic feet per second, for indicated recurrence interval, in years				
	2	5	10	20	40
7	5,400	4,650	4,210	3,840	3,500
30	5,650	4,850	4,380	4,000	3,650
60	5,980	5,150	4,690	4,290	3,940
120	6,250	5,400	4,880	4,440	4,050
274	6,900	5,850	5,250	4,750	4,350

DURATION OF DAILY FLOW

Period	Flow, in cubic feet per second, which was equaled or exceeded for indicated percent of time											
	2	10	30	50	70	80	90	95	98	99	99.5	99.9
1884-1950	53,000	20,000	9,900	6,800	5,000	4,200	3,340	2,800	2,300	2,000	1,780	1,360
1954-1965	29,000	18,200	8,800	6,550	5,810	5,520	5,150	4,900	4,600	4,400	4,300	4,000

GROUND WATER

The U.S.G.S. estimates that 5 million gallons a day can be developed with properly spaced wells on this site.

Table 1.—Maximum and minimum values of dissolved substances and physical properties of surface waters of South Carolina
(Results in milligrams per liter except as indicated. Analyses by U. S. Geological Survey)
2-1970. Savannah River at Augusta, Ga.

No. of Analyses	Maximum or Minimum	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)
28	Maximum Minimum	17 9.4	0.15 .01	3.9 2.2	1.5 .7	5.4 3.2	1.7 .9	26 14	4.4 1.3	4.0 1.9	0.2 .0	1.2 .0

Dissolved Solids		Hardness as CaCO ₃		Conductance (micro-mhos at 25°C)	pH	Color	Oxygen Consumed	
Calculated	Residue on evaporation at 180°C	Calcium Magnesium	Specific Noncarbonate				Unfiltered	Filtered
44 30	49 14	16 8	0 0	88 34	7.3 6.2	27 2	6 2	3 1

JACKSON, S. C. AREA

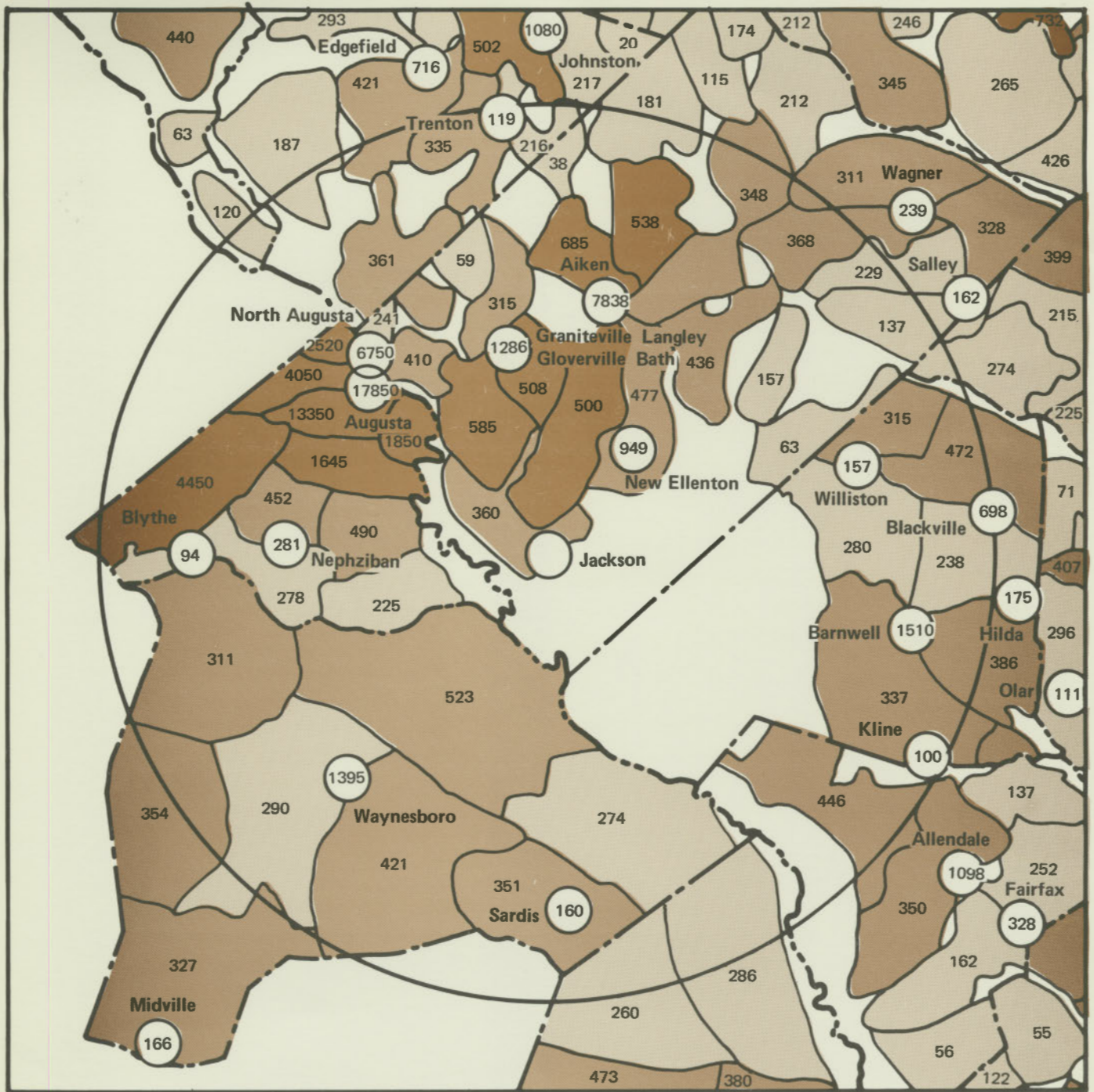
Jackson is located in the southern most section of Aiken County. This small residential community showed a 10.4 percent population gain during the past decade. The town population is listed at 1,928.

Based upon the 1970 census figures the population within a 30-mile radius is 279,704. Within a 15-mile radius of Jackson which reaches into the densely populated Augusta area, the population is in excess of 128,000.

Jackson is included in the fast growing Aiken - Augusta SMSA. At last report the civilian work force was 107,200. Unemployment was 3.7% down from 4.8% from the previous report. Major sources of labor come from population growth, young people becoming employment age, the underemployed and underutilized and those outside the labor force who desire employment. A study of gross annual earnings of 23,038 workers residing in Aiken County showed 52.7% or 12,141 were earning under \$4,000. This is equivalent to \$1.92 per hour based upon a normal work year in industry. These people are a key source of recruits to new industries offering more competitive wages.

The quality and skill level of the areas labor force will continue to improve as a new Technical Education Center has been built in Aiken. This new TEC center will provide industrially-oriented training leading to jobs in business and industry. Also included will be up-grading and up-dating courses for those already employed.

The fast growing area needs industry. Both labor intensive and capital intensive industries will find the area to its liking. Here industry can grow and prosper while offering its employees the finest in livability.



POPULATION DENSITY

30 MILE RADIUS

JACKSON

- 0 - 299 Families
- 300 - 499 Families
- 500-Over Families

County Range Per Family 3.4 to 3.7

The gold dollar sign has been adopted by the State Development Board as a symbol which can be interpreted in many ways.

It stands for the per capita dollar, the dollar which provides a higher standard of living for South Carolinians.

It stands for the tax dollar, which industry and its employees pay to the state not only to perpetuate our efforts, but to provide needed social services.

It stands for the investment dollar, which industry spends in South Carolina to create job opportunities, which in turn create the per capita and tax dollars.

But most of all, our symbol stands for the profit dollar; it personifies South Carolina's commitment to commercial success, our belief in the capitalistic society and its tenets which proclaim that in return for accepting the risks of added value manufacturing, business is entitled to a fair return on its investment.

This is the philosophy behind our endeavors. Capitalism. Profit. Production. To anyone trapped in an environment that somehow seems to convey the idea that profit is a dirty word, we say come to South Carolina.

To anyone who shares our convictions, we say welcome. To anyone who does not share similar convictions, we renounce you and suggest that you throw this brochure away, for we will be of no interest to you.